

Title (en)
Back-up featherer

Title (de)
Sicherungs-Passfeder

Title (fr)
Biseau de secours

Publication
EP 2378081 A2 20111019 (EN)

Application
EP 10192595 A 20101125

Priority
GB 201000198 A 20100108

Abstract (en)
A back-up featherer is provided for an engine arrangement having a main hydraulic actuator which angularly displaces propellers of a propeller assembly of the engine arrangement. The engine arrangement further has one or more fluid supply lines for transferring hydraulic fluid between a hydraulic pressure power source located on a static structure of the engine arrangement and the main hydraulic actuator. The back-up featherer has a back-up actuator assembly for angular displacement of the propellers, the back-up actuator assembly rotating with the propeller assembly. The back-up featherer further has a signal detector that is operatively connected to the back-up actuator assembly and rotates with the propeller assembly. The back-up featherer further has a back-up rotating coupling. A static side of the back-up rotating coupling is mounted to the static structure of the engine arrangement and communicates with a regulator located on a static structure of the engine arrangement. A rotating side of the back-up hydraulic rotating coupling rotates with the propeller assembly and communicates with the signal detector. The back-up actuator assembly angularly displaces the propellers when the signal detector detects a signal from the regulator to displace the propellers.

IPC 8 full level
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Citation (applicant)
EP 1881176 A2 20080123 - ROLLS ROYCE PLC [GB]

Cited by
CN112046763A; FR3060523A1; EP3763621A1; US10766604B2; US11535363B2

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